



How to install guide

Installation Instructions for
Prowler Proof security screen doors fitted to
Trend® Synergy® or Quantum® stacking door

V e r s i o n 1 : N o v e m b e r 2 0 1 6

View the video



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Note: All references are taken from outside view looking in.

1. Before you start

1.1 Fastener recommendations for fitting Prowler Proof security doors

IMPORTANT NOTES:

- a. Prowler Proof security doors are not supplied with fixing screws.
- b. Use the below fastener when fixing into metal. Würth brand fasteners are available for ordering from Prowler Proof.
- c. For fastening into other fixing materials, the installer must select and use fasteners appropriate to the material into which they are fixing.
- d. Pitch = For fixing an interlock to a door, maximum centre distances of no greater than 300mm should be used.

Fixing material	Metal
Fastener type	Zebra Pias Pan Head AW20 4.2x 16mm (AW20)
Diameter	4.2mm
Length of fastener	16mm

1.2 Tools checklist

TOOLS REQUIRED TO INSTALL THE DOOR INCLUDE:



Zebra Pias Pan Head AW20 4.2 x 16mm fasteners



Drill with AW20 25mm bit



3mm drill bit



Tape measure



Drop or hack saw – if interlock has been supplied in cut to waste lengths



Phillips head screwdriver



Marker pen

1.3 Parts checklist

CONTENTS LIST:

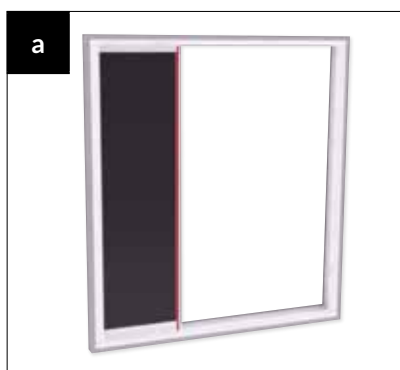
- a. 2 x Interlock Door – Concealed P06-055
- b. Interlock Stacking – Concealed P06-058
- c. Interlock Stile – TRE P06-057
- d. Lockwood 8653 Furniture – Black
- e. Lockwood – 5 Pin Cylinder
- f. 2 x Prowler Proof Sliding Doors

2. Installation

2.1 Trim Interlocks

Prowler Proof supplies interlocks at standard sizes of 2100mm, 2500mm, or in custom cut lengths. If your interlocks are cut to waste:

- Calculate door opening drop less interlock clearance.
- Using your tape measure, mark this measurement on interlock.
- Use saw to cut interlock to size.



2.2 Install Interlock Stile – TRE P06-057

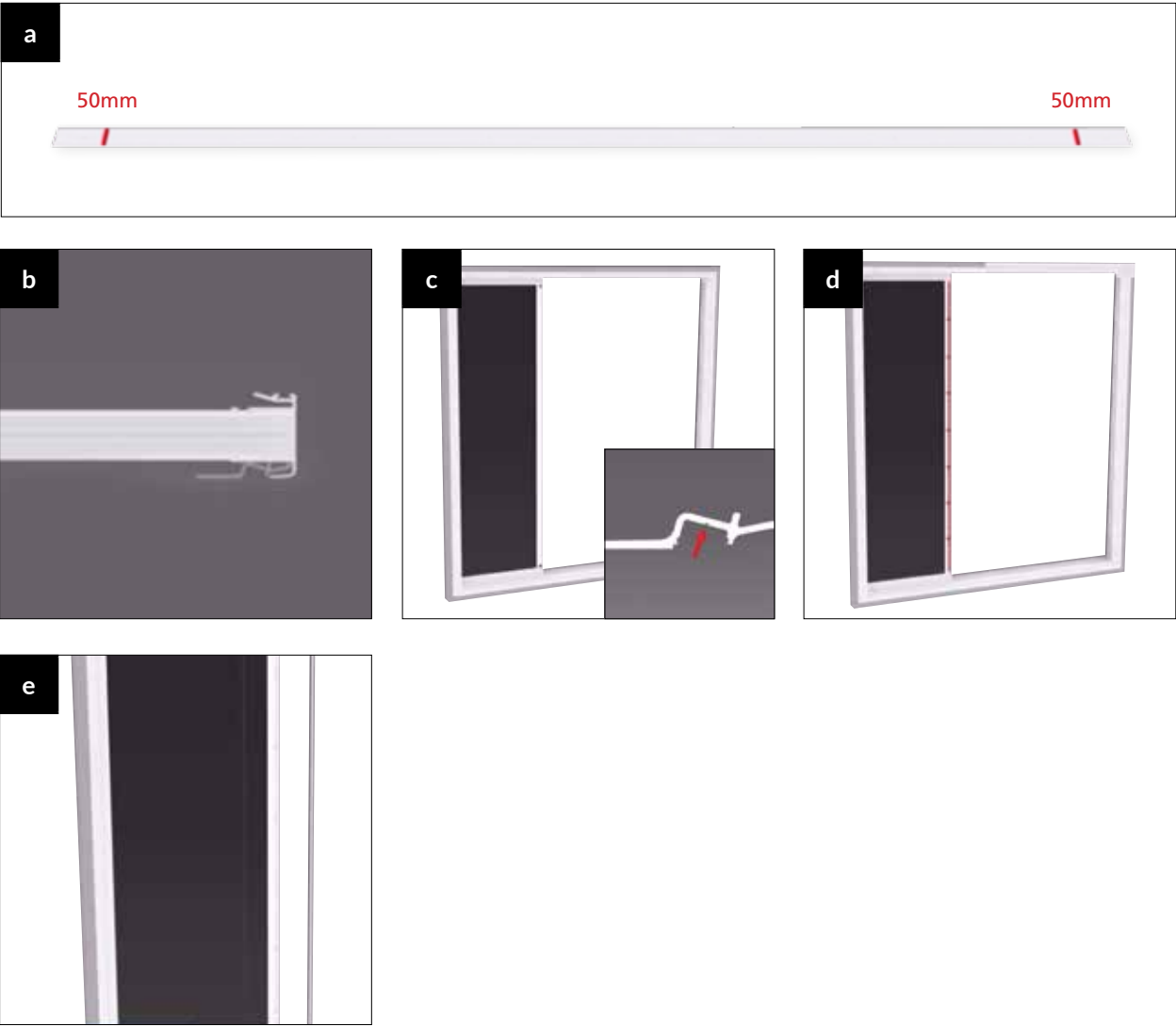
- Measure and mark 50mm in from top and bottom of the fixed panel stile interlock.
- Insert Interlock Stile under fixed panel stile interlock.
- Using Zebra Pias – Pan Head fasteners, fix the interlock to stile at two marked positions, using the die line as a positioning guide.
- Measure the distance between the top and bottom fastener positions. Divide this measurement equally, ensuring centre distances for remaining fasteners do not exceed 300mm. Measure and mark these positions. Using Zebra Pias – Pan Head fasteners fix interlock to stile at all marked positions, using the die line as a positioning guide.
- Fit the interlock cover strip over fastener recess.

Step 2.2 continued over page...

2. Installation

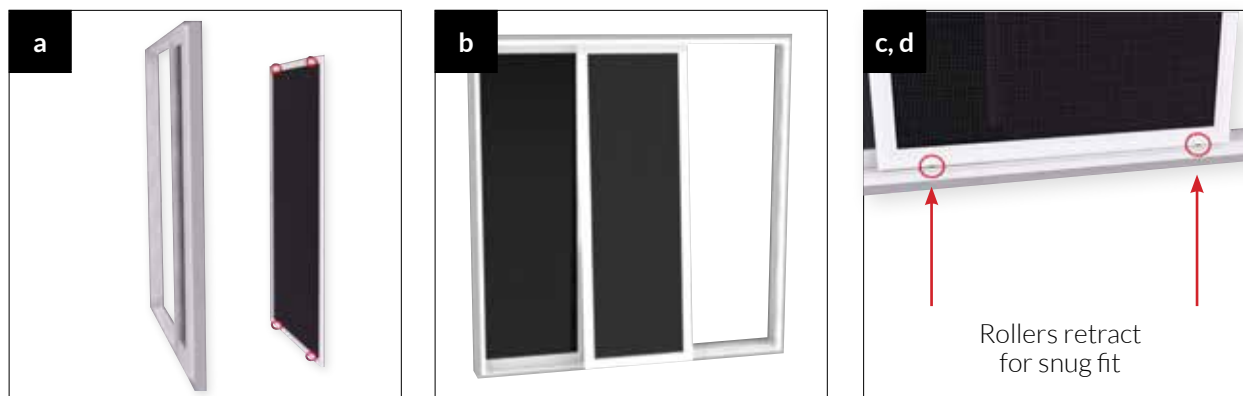
2.2

Install Interlock Stile – TRE P06-057 cont.



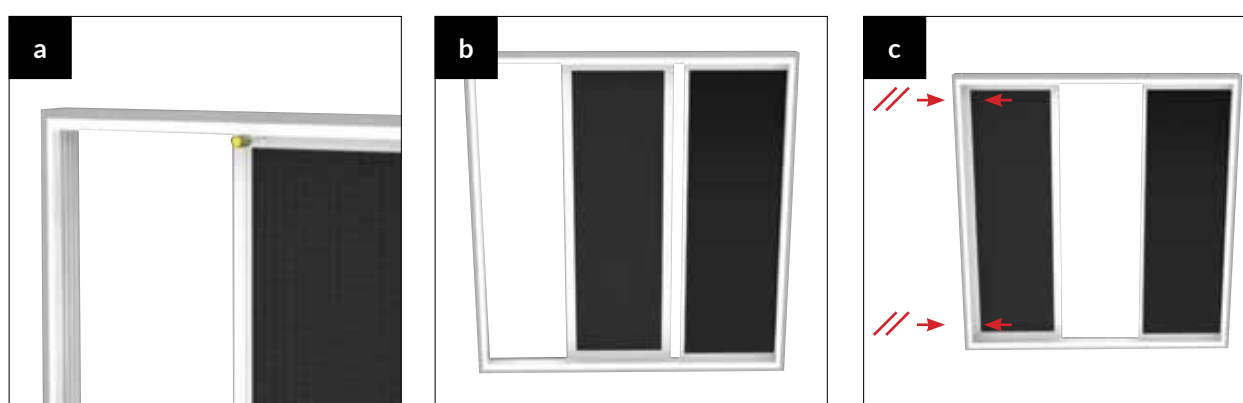
2. Installation

2.3 Install the inactive leaf



- a. Identify the inside and outside faces of the door panel by locating the roller adjustment screw hole, which is positioned along the inside bottom and top rails of the door. Roller adjustment screws should never be accessible from outside. You can also identify the inside face by the black retainer locking clamp (on ForceField® and Protec doors).
- b. Once you have identified the correct orientation, lift door and insert onto head track first, followed by sill track.
- c. If this can't be achieved, because of a tight fit, you will need to retract the bottom rollers, by pushing them upwards inside the stile. Rollers are spring loaded to allow them to retract.
- d. Once rollers are retracted, you should be able to insert door onto bottom track.

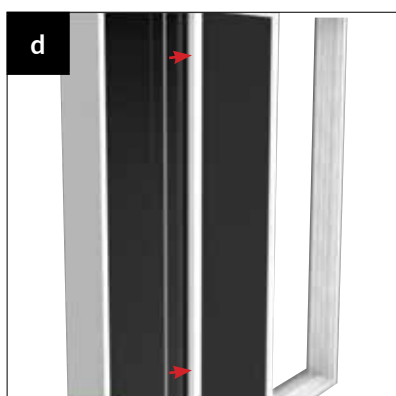
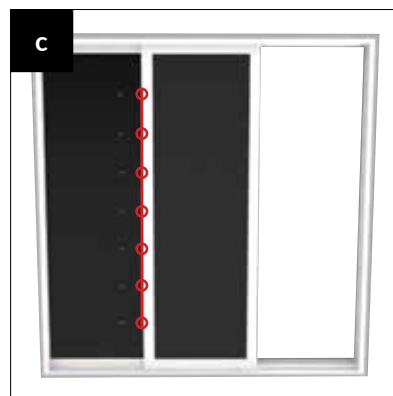
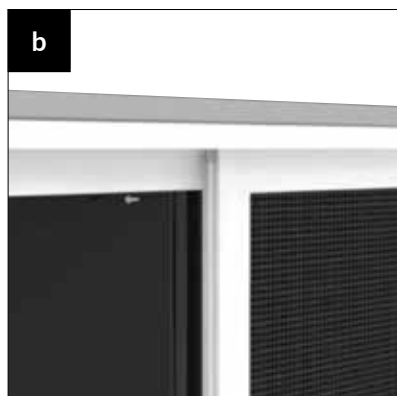
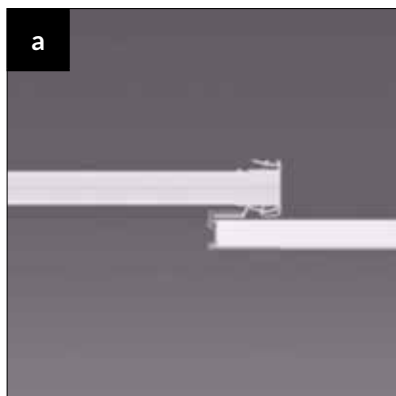
2.4 Square panel to jamb via rollers



- a. Using phillips head screw driver, adjust the rollers, using the fasteners on the inside of the top and bottom door stiles, so there is enough tension to prevent door from being dislodged from tracks.
- b. Slide door towards the jamb until minimal daylight can be seen between the receiver channel and the vertical door stile, top and bottom.
- c. Rollers now need to be adjusted, using the fasteners, to ensure the door stile and receiver channel are parallel, top and bottom.

2. Installation

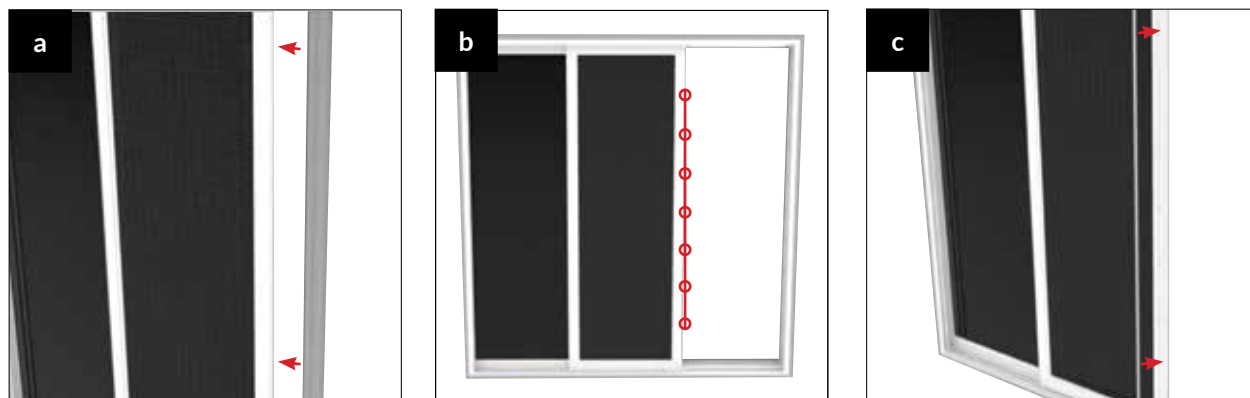
2.5 Install the Interlock Door – Concealed P06-055



- a. With door in closed position, measure and mark 50mm in from top and bottom of interlock, then position Interlock Door on trailing edge of inactive leaf.
- b. Fix at marked points with Zebra Pias – Pan Head fasteners, using the die line to guide positioning.
- c. Measure the distance between the top and bottom fastener positions. Divide this measurement equally, ensuring centre distances for remaining screws do not exceed 300mm. Fix with Zebra Pias – Pan Head fasteners.
- d. Fit the interlock cover strip over fastener recess.

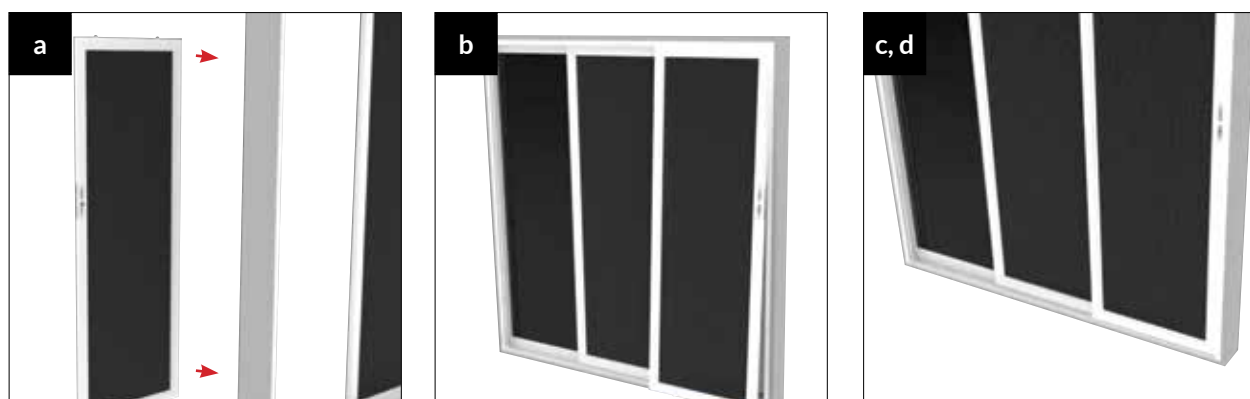
2. Installation

2.6 Install the Interlock Stacking – Concealed P06-058



- a. Measure and mark 50mm in from top and bottom of interlock, then fix the Interlock Stacking to the leading edge of the inactive leaf, position interlock and fix at marked points with Zebra Pias – Pan Head fasteners, using the die line to guide positioning.
- b. Measure the distance between the top and bottom fastener positions. Divide this measurement equally, ensuring centre distances for remaining screws do not exceed 300mm. Fix with Zebra Pias – Pan Head fasteners.
- c. Fit the interlock cover strip over fastener recess.

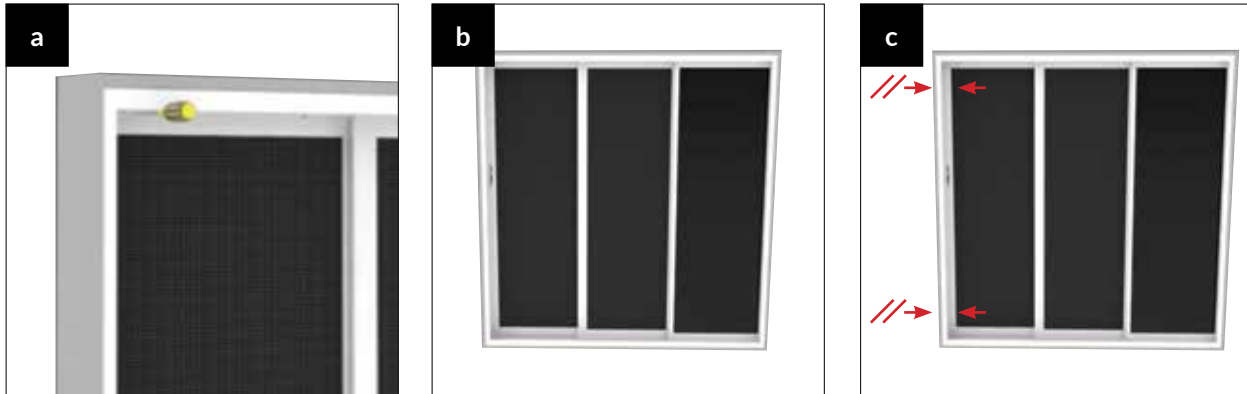
2.7 Install the active leaf



- a. Identify the inside and outside faces of the door panel by locating the roller adjustment screw hole, which is positioned along the inside bottom and top rails of the door. Roller adjustment screws should never be accessible from outside. You can also identify the inside face by the black retainer locking clamp (on ForceField® and Protec doors).
- b. Once you have identified the correct orientation, lift door and insert onto head track first, followed by sill track.
- c. If this can't be achieved, because of a tight fit, you will need to retract the bottom rollers, by pushing them upwards inside the stile. Rollers are spring loaded to allow them to retract.
- d. Once rollers are retracted, you should be able to insert door onto bottom track.

2. Installation

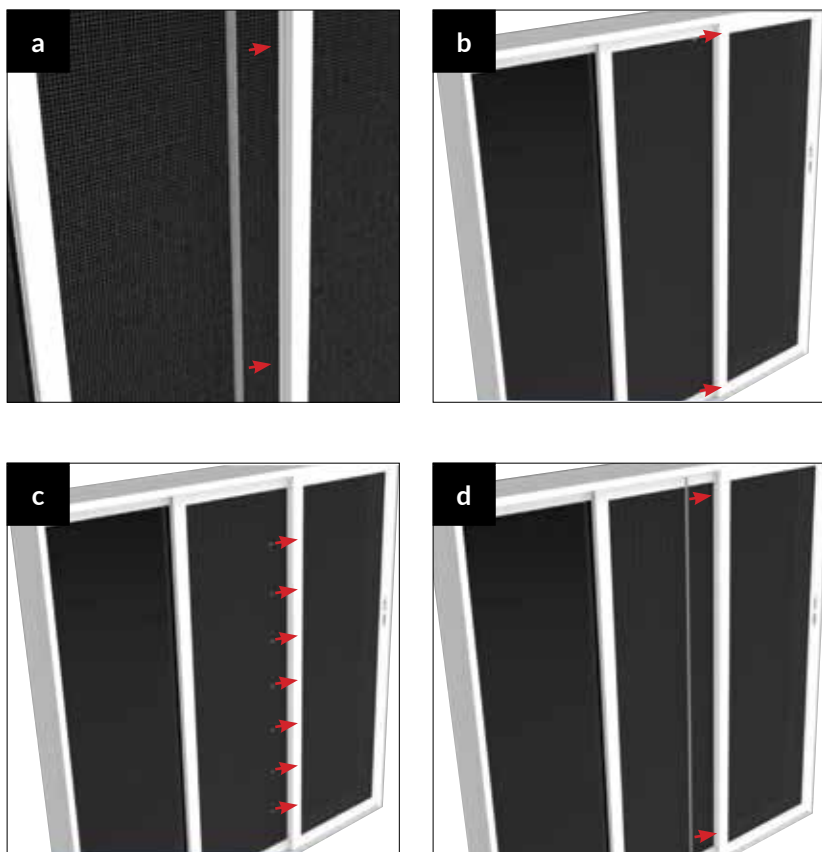
2.8 Square panel to jamb via rollers



- a. Using phillips head screw driver, adjust the rollers, using the fasteners on the inside of the top and bottom door stiles, so there is enough tension to prevent door from being dislodged from tracks.
- b. Slide door towards the jamb until minimal daylight can be seen between the receiver channel and the vertical door stile, top and bottom.
- c. Rollers now need to be adjusted, using the fasteners, to ensure the door stile and receiver channel are parallel, top and bottom.

2. Installation

2.9 Install the Interlock Door – Concealed P06-055



- a. Put door in closed position. Measure and mark 50mm in from top and bottom of interlock, then position Interlock Door on trailing edge of active leaf.
- b. Fix at marked points with Zebra Pias – Pan Head fasteners, using the die line to guide positioning.
- c. Measure the distance between the top and bottom fastener positions. Divide this measurement equally, ensuring centre distances for remaining screws do not exceed 300mm. Fix with Zebra Pias – Pan Head fasteners.
- d. Fit the interlock cover strip over fastener recess.

2. Installation

2.10 Assemble furniture on lock



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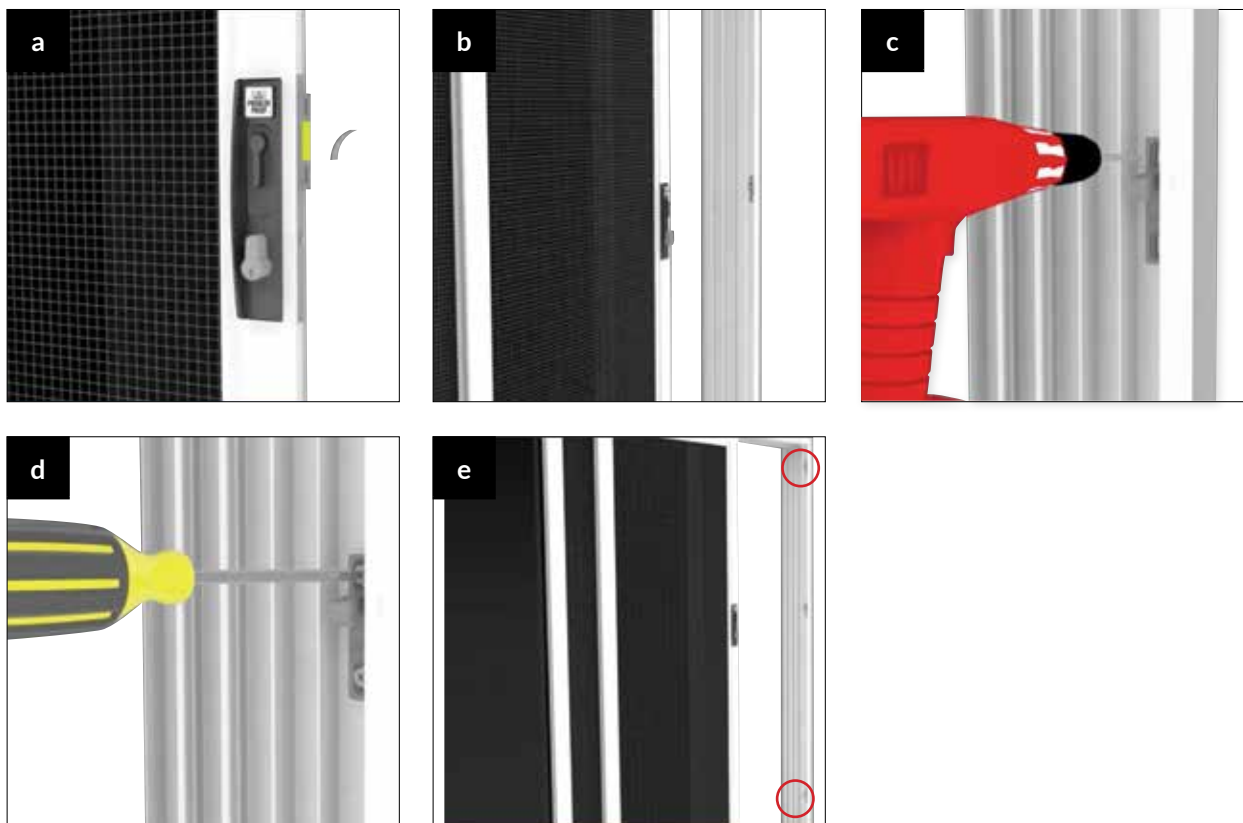
- a. Ascertain the desired handing configurations required.
- b. Click together the Internal Furniture Plate and the Pull Handle. Now click together the External Furniture Plate and the Pull Handle.
- c. Install internal operating levers.
- d. Install external operating levers.
- e. Select and install restrictor plate (LH or RH) to external side.
- f. Secure furniture plates to door section using 25mm screws and plugs provided.
- g. Position the cylinder assembly in the lock body so that the cam rotates towards the front end of the door.
- h. Secure with 32mm countersunk metal thread screw supplied. Do not over-tighten this screw, as it may jam the locking mechanism.

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2. Installation

2.11 Fasten strikers on jamb



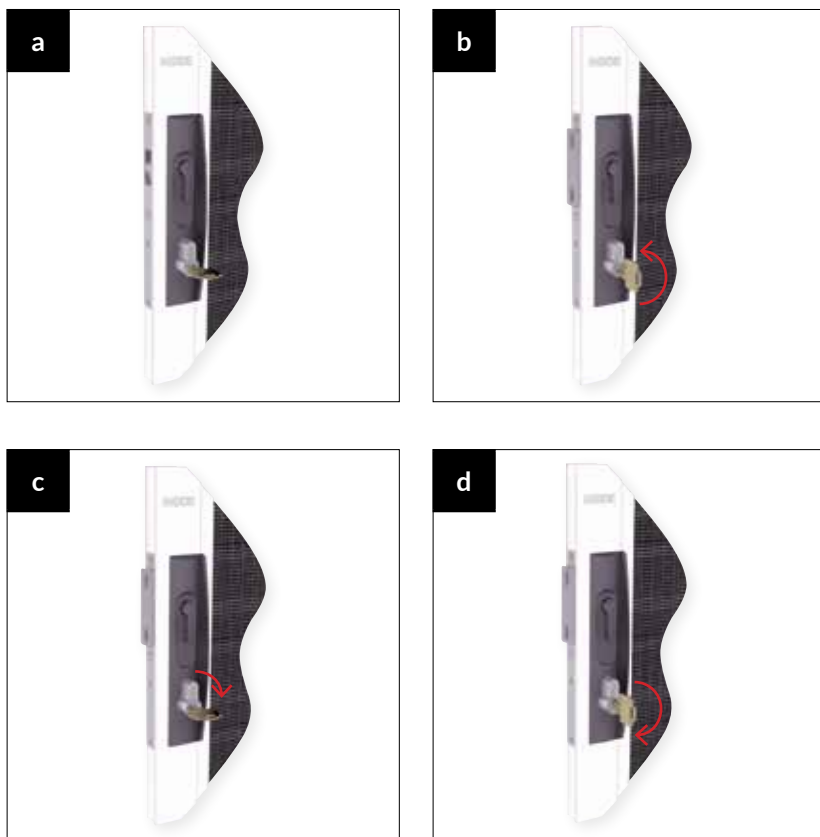
You will receive four strikers with every 3 point lock furniture kit. Three stainless steel (matt finish) strikers will be in the three point handle furniture kit and one zinc (shiny finish) striker will be in the handle furniture pack. Discard the zinc (shiny finish) striker.

- a. With the three strikers inserted in the main lock body and the top and bottom locks, (smaller striker on the main lock and larger strikers on top and bottom locks) either mark the position on the outside of the jamb or remove the backing from the tape and allow the strikers to stick to the frame. **Note: Use trailing edge of door for closing. Striker will then be in centre of channel.**

- b. Remove strikers from locks.
- c. For the main lock, drill two Ø3mm holes and fit to door jamb where marked using 8gx12mm or wherever possible use the larger countersunk fasteners (provided).
- d. Adjust striker to correct position and then tighten fasteners.
- e. Repeat the process with the top and bottom strikers with the fasteners provided.

2. Installation

2.12 Test the lock function



Close door to test operation.

- a. With the cylinder assembled, insert the key and rotate to the unlocked position.
- b. Rotate the key to put the lock into 'Passage Mode'. Both handles will be free to operate.
- c. Rotate the key 90 degrees to place the lock into 'Privacy Mode'. The external handle will be locked and the internal handle, free to operate.
- d. Rotate the key 180 degrees to place the lock into 'Deadlock Mode'. Both the external and internal handles will be locked, and the lock can only be unlocked by using the key.

2.13 Check door

With door in closed position, check that:

- a. Door closes and latches onto the jamb with the striker plates
- b. Interlocks are engaged at back of door
- c. Ensure all interlock cover strips have been fitted

3. Trouble shooting

Key does not turn all the way smoothly	• Check adjustment heights of striker plates. Adjust as required. • Check daylight between the stile and channel to ensure parallel. Adjust rollers as required.
Door does not close to door jamb	• Check if the interlocks are clashing. Check position of Interlock Door and adjust as necessary.
Bowing of the jamb	• If there is bowing of the jamb, use the striker packers provided in the lock furniture kit. Note: If using packers, ensure fastener lengths are adequate.

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